

DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)

BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Tischler und Sohn (USA) Ltd. Six Suburban Avenue Stamford, CT 06901

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Mahogany Impact Outswing Casement" Wood Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. 1533, titled "Series Out-Swing Impact Wood Fixed Casement Window", sheets 1 through 6 of 6, dated 04/03/08 with revision "A1" dated 10/25/11, prepared by W. W. Schaefer Engineering & Consultant, P. A., signed and sealed by Warren W. Schaefer, P. E., bearing the Miami-Dade County Product Control Section revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 08-0804.13 and consists of this page 1, evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.

MIAMI-DADE COUNTY
APPROVED

J. 645007

NOA No. 11-1101.09 Expiration Date: January 08, 2014 Approval Date: January 19, 2012

MIAMI-DADE COUNTY, FLORIDA

T (786) 315-2590 F (786) 315-2599

PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474

www.miamidade.gov/pera/

Page 1

Tischler und Sohn (USA) Ltd.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
 - (Submitted under previous NOA No. 08-0804.13)
- 2. Drawing No. 1533, titled "Series Out-Swing Impact Wood Fixed Casement Window", sheets 1 through 6 of 6, dated 04/03/08 with revision "A1" dated 10/25/11, prepared by W. W. Schaefer Engineering & Consultant, P. A., signed and sealed by Warren W. Schaefer, P. E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94

along with marked—up drawings and installation diagram of Wood Fixed and operable wood casement Windows, prepared by Architectural Testing, Inc., Test Reports No.'s **ATI-77324.01–109–18**, dated 06/30/08, signed and sealed by Michael D. Stremmel, P. E.

(Submitted under previous NOA No. 08-0804.13)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC-2004 and FBC-2007, prepared by W. W. Schaefer Engineering & Consultant, P. A., dated 07/28/08, signed and sealed by Warren W. Schaefer, P. E.
 - (Submitted under previous NOA No. 08-0804.13)
- 2. Glazing complies with ASTM E1300–02/04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 11-0325.05 issued to Solutia, Inc. for their "Saflex Clear or colored Interlayer" dated 04/21/11, expiring on 04/21/16.
- 2. Notice of Acceptance No. 08-0520.08 issued to Solutia, Inc. for their "Vanceva Composites Glass Interlayer" dated 07/17/08, expiring on 12/11/13.

Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 11-1101.09

Expiration Date: January 08, 2014 Approval Date: January 19, 2012

Tischler und Sohn (USA) Ltd.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

- 1. Statement letter of conformance, no financial interest and compliance with FBC 2010, issued by W. W. Schaefer Engineering & Consultant, P. A., dated 10/27/11, signed and sealed by Warren W. Schaefer, P.E.
- 2. Statement letter of independence, issued by W. W. Schaefer Engineering & Consultant, P. A., dated 10/24/11, signed and sealed by Warren W. Schaefer, P.E.
- 3. Distributor Agreement between Tischler und Sohn (USA), Ltd., Connecticut, USA, and Tischler/ Cornelius Korn, G.m.b.H., Wedel (Holstein) S. H., Germany, dated 04/13/09, signed by Tim Carpenter and Wilhelm Korn, respectively.
- 4. Statement letter of conformance and compliance with FBC 2007, issued by W. W. Schaefer Engineering & Consultant, P. A., dated 04/15/08, signed and sealed by Warren W. Schaefer, P. E.

(Submitted under previous NOA No. 08-0804.13)

- 5. Statement letter of no financial interest and independence, issued by W. W. Schaefer Engineering & Consultant, P. A., dated 07/28/08, signed and sealed by Warren W. Schaefer, P. E.
 - (Submitted under previous NOA No. 08-0804.13)
- 6. Laboratory compliance letters for Test Report No. ATI-77324.01-109-18, issued by Architectural Testing, Inc., dated 07/01/08, all signed and sealed by Michael D. Stremmel, P. E.

(Submitted under previous NOA No. 08-0804.13)

7. Test Proposal No. 07–2960 issued by Product Control, dated 07/24/07 revised on 08/16/07 and signed by Manuel Perez, P. E. (Submitted under previous NOA No. 08–0804.13)

G. OTHERS

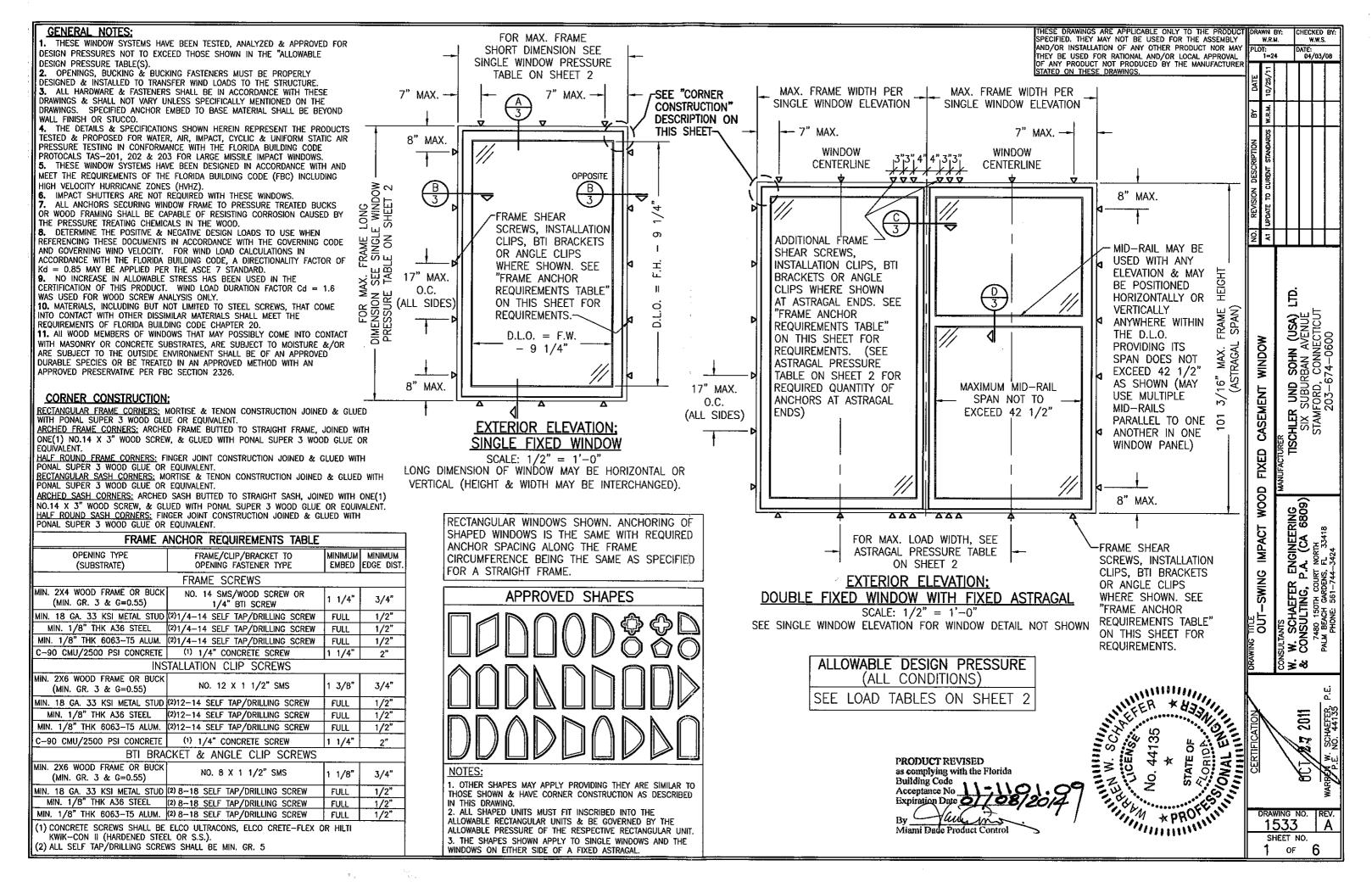
1. Notice of Acceptance No. 08–0804.13, issued to Tischler und Sohn (USA), Ltd. for their Series "Mahogany Impact Outswing Casement Wood Fixed Window – L.M.I.", approved on 01/08/09 and expiring on 01/08/14.

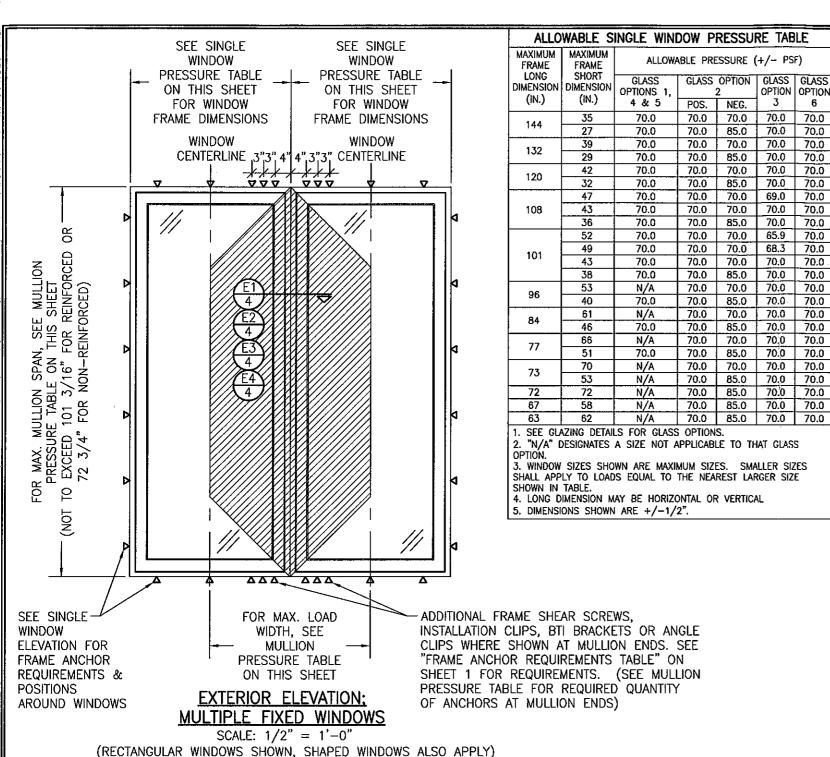
Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 11-1101.09

Expiration Date: January 08, 2014 Approval Date: January 19, 2012





| | ASTRAC | ASTRAGAL ALLOWABLE DESIGN PRESSURE | | | | | |
|---|------------------|--|------------------|------|------------------|------|--|
| | MAXIMUM | MAXIMUM MAXIMUM ALLOWABLE PRESSURE (+/- PSF) | | | | | |
| | ASTRAGAL SPAN | LOAD WIDTH | 4 END ANCHORS | | 6 END ANCHORS | | |
| | (IN.) | (IN.) | POS. | NEG. | POS. | NEG. | |
| | 101 | 72 | 52.2 | 52.2 | 53.6 | N/A | |
| | | 67 | 54.0 | 54.0 | 56.1 | N/A | |
| | | 61 | 56.8 | 56.8 | 59.7 | N/A | |
| | | 55 | 60.4 | 60.4 | 64.8 | N/A | |
| | | 49 | 65.1 | 65.1 | 70.0 | 71.0 | |
| | | 43 | 70.0 | 71.4 | 70.0 | 77.8 | |
| | | 37 | 70.0 | 80.0 | 70.0 | 85.0 | |
| | | 31 | 70.0 | 85.0 | 70.0 | 85.0 | |
| | 96 | 72 | 56.5 | 56.5 | 60.7 | 60.7 | |
| | | 67 | 58.3 | 58.3 | 63.3 | 63.3 | |
| | | 61 | 61.1 | 61.1 | 66.6 | 66.6 | |
| | | 55 | 64.8 | 64.8 | 70.0 | 70.6 | |
| | | 49 | 69.7 | 69.7 | 70.0 | 75.9 | |
| | | 43 | 70.0 | 76.2 | 70.0 | 83.0 | |
| | | 37 | 70.0 | 85.0 | 70.0 | 85.0 | |
| | | 72 | 70.0 | 70.6 | 70.0 | 77.0 | |
| | | 67 | 70.0 | 72.2 | 70.0 | 78.6 | |
| | 84 | 61 | 70.0 | 74.8 | 70.0 | 81.5 | |
| | | 55 | 70.0 | 78.6 | 70.0 | 85.0 | |
| | | 49 | 70.0 | 83.7 | 70.0 | 85.0 | |
| | | 43 | 70.0 | 85.0 | 70.0 | 85.0 | |
| | | 72 | 70.0 | 82.7 | 70.0 | 85.0 | |
| | 77 | 67 | 70.0 | 83.8 | 70.0 | 85.0 | |
| | | 61 | 70.0 | 85.0 | 70.0 | 85.0 | |
| | 72 3/4 | 72 | 70.0 | 85.0 | 70.0 | 85.0 | |
| Ì | NOTES: | | | | | | |

<u>noies:</u> 1. Load width is the distance between window CENTERLINES.

2. ALLOWABLE UNIT PRESSURE SHALL BE THE LESSER OF THE PRESSURES SHOWN IN THIS TABLE & THOSE SPECIFIED FOR THE INDIVIDUAL WINDOW.

J. DIMENSIONS SHOWN ARE +/-1/2".

| PRODUCT REV | /ISI ith t | ED he F | loгi | da |
|---------------|---------------|------------|------|------------|
| Building Code | | | | ~ : |

| | 1. LOAD WIDTH IS THE DISTANCE |
|------------------|-------------------------------|
| | CENTERLINES. |
| EVISED | 2. ALLOWABLE UNIT PRESSURE S |
| with the Florida | PRESSURES SHOWN IN THIS TABL |
| | THE INDIVIDUAL WINDOW. |

BLE & THOSE SPECIFIED FOR

REINFORCEMENT CONDITION.

"N/A" DESIGNATES A SIZE NOT APPLICABLE TO THAT 4. SIZE VALUES IN TABLE ARE +/-1/2'

ANCHORS **ANCHORS** ANCHORS POS. NEG. POS. NEG. POS. NEG. N/A 41.8 41.8 44.3 44.3 N/A N/A 43.3 43.3 46.3 46.3 67 N/A N/A 45.5 45.5 49.3 49.3 61 N/A N/A 48.4 48.4 53.5 53.5 55 N/A 101 49 N/A 52.2 52.2 58.9 58.9 N/A N/A 57.3 57.3 65.8 65.8 43 N/A 37 N/A 64.2 64.2 70.0 74.3 N/A 31 N/A 70.0 73.9 70.0 85.0 N/A N/A 70.0 85.0 70.0 85.0 25 N/A 72 N/A N/A 45.3 45.3 50.1 50.1 67 N/A 46.8 46.8 52.3 52.3 N/A N/A 49.0 49.0 55.5 55.5 61 N/A 55 N/A N/A 52.0 52.0 59.9 59.9 49 N/A N/A 55.9 55.9 64.7 64.7 43 N/A N/A | 61.1 | 61.1 | 70.0 | 70.8 37 N/A 68.3 68.3 70.0 79.1 N/A 31 N/A 70.0 78.5 70.0 85.0 N/A N/A 70.0 85.0 70.0 25 N/A 85.0 72 N/A N/A | 56.7 | 56.7 | 65.6 | 65.6 TISCHLER UND SOHN (USA) 1
SIX SUBURBAN AVENUE
STAMFORD, CONNECTICUT
203-674-0600 N/A 57.9 57.9 67.0 67.0 67 N/A 61 N/A N/A 60.0 60.0 69.5 69.5 N/A 63.0 63.0 73.0 73.0 55 N/A WINDOW 84 49 N/A N/A | 67.2 | 67.2 | 70.0 | 77.8 N/A 70.0 72.9 70.0 84.4 43 N/A N/A 70.0 80.8 70.0 85.0 37 N/A N/A 70.0 85.0 70.0 85.0 31 N/A CASEMENT 72 N/A N/A 66.3 66.3 70.0 76.8 N/A 67.2 67.2 70.0 77.8 67 N/A N/A 69.0 69.0 70.0 80.0 61 N/A N/A 70.0 71.9 70.0 83.3 77 55 N/A 49 N/A N/A 70.0 | 76.1 | 70.0 | 85.0 N/A 70.0 82.1 70.0 85.0 43 N/A N/A 70.0 85.0 70.0 85.0 37 N/A 48.6 70.0 74.0 70.0 72 48.6 85.0 67 49.1 49.1 70.0 74.5 70.0 85.0 50.5 | 70.0 | 76.0 | 70.0 | 85.0 WOOD 61 50.5 52.9 70.0 78.7 70.0 85.0 55 52.9 P.A. (CA 6809) 72 3/4 49 54.7 54.7 | 70.0 | 82.8 | 70.0 | 85.0 43 62.0 62.0 70.0 85.0 70.0 85.0 IMPACT 70.0 70.0 85.0 70.0 85.0 37 70.0 31 80.7 70.0 85.0 70.0 85.0 70.0 25 70.0 70.0 85.0 70.0 85.0 85.0 67 OR 70.0 85.0 SWING 62.1 62.1 70.0 85.0 **GREATER** USULTANTS
W. SCHAEFER
CONSULTING, F 63.1 70.0 85.0 70.0 85.0 63.1 61 55 65.1 65.1 70.0 85.0 70.0 85.0 52 66.9 70.0 85.0 70.0 85.0 5 49 69.0 69.0 | 70.0 | 85.0 | 70.0 | 85.0 74.9 70.0 85.0 70.0 85.0 43 70.0 37 70.0 83.7 70.0 85.0 70.0 85.0 31 70.0 85.0 | 70.0 | 85.0 | 70.0 | 85.0 | 61 OR 70.0 82.3 70.0 85.0 70.0 85.0 SCHAEFER GREATER 70.0 83.8 70.0 85.0 55 70.0 85.0 52 70.0 85.0 70.0 85.0 70.0 85.0 55 OR 70.0 85.0 70.0 55 70.0 85.0 GREATER NOTES: BETWEEN WINDOW SHALL BE THE LESSER OF THE DRAWING INTER

MULLION ALLOWABLE DESIGN PRESSURE

NON-REINFORCED

4 OR 6 END

MAXIMUM

MULLION

SPAN

MAXIMUM

LOAD

WIDTH

(IN.)

ALLOWABLE PRESSURE (+/- PSF)

4 END

REINFORCED

6 END

RAWN BY

.²LOT: 1=24

SHEET NO. **2** of

W.W.S

415: 04/03/08

MULTIPLE UNIT NOTES:

- FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATIONS.
- MULLION MAY BE HORIZONTAL OR VERTICAL PROVIDING UNIT SIZES ARE RESTRICTED AS SHOWN IN THIS ELEVATION.
- IF VERTICALLY STACKED. THE MANUFACTURER SHALL INSURE THAT THE DEAD LOAD WEIGHT OF THE WINDOWS CAN NOT CAUSE UNDO FAILURE.
- THERE IS NO LIMIT ON THE NUMBER OF WINDOWS THAT MAY BE COMBINED IN ONE DIRECTION INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERED FROM THE WINDOWS & THEIR MULLIONS.
- 5. INDIVIDUAL WINDOW SIZES SHALL BE RESTRICTED AS SPECIFIED IN THE SINGLE WINDOW ELEVATIONS.

